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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
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CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,  
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,  
MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,  
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,  
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(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),  
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
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ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,  
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

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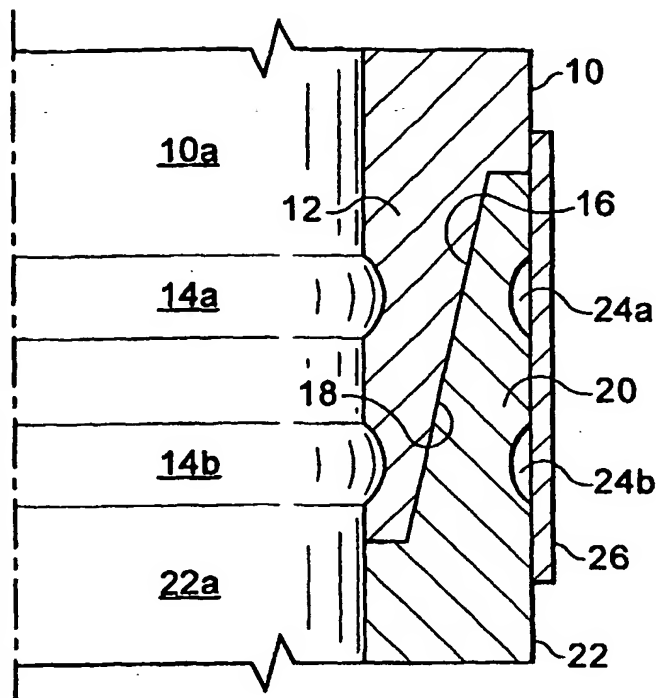
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(54) Title: **THREADED CONNECTION FOR EXPANDABLE TUBULARS**



(57) Abstract: A threaded connection for expand-  
able tubulars. There is a first tubular (10) with ex-  
ternal threads (16) and a second tubular (22) with  
matching internal threads. Each of these tubular has  
stress concentration grooves (14a, 14b, 24a, 24b).  
There is a sleeve (26) that goes over the connection  
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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/25716

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : E21B 19/16

US CL : 166/380, 207; 285/333

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 166/380, 207, 381, 382, 206; 285/333, 334; 403/297

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
Please See Continuation Sheet**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,924,745 A (Campbell) 20 July 1999 (20.07.1999), figures 3 and 4, column 3, lines 9 - column 4, line 27.	1, 3-5, 7-9, 11, 12, 15, 17-21
Y	SU 1,756,531 A (KRYZHANOVSKII et al) 28 March 1990 (28.03.1990), Figure 1, abstract.	1, 3-5, 7-9, 11, 12, 15, 17-21
Y	WO 99/23354 (METCALFE) 14 May 1999 (14.05.1999), figure 5, page 11 lines 23-28.	1, 3-5, 7-9, 11, 12, 15, 17-21
A, E	US 6,622,797 B2 (SIVLEY IV) 23 September 2003 (23.09.2003), whole document.	1-12, 15-21
A, E	US 6,607,220 B2 (SIVLEY, IV) 19 August 2003 (19.08.2003), whole document.	1-12, 15-21
A, P	US 6,564,875 B1 (BULLOCK) 20 May 2003 (20.05.2003), whole document.	1-12, 15-21
A	US 2002/0108756 A1 (HARRALL et al) 15 August 2002 (15.06.2002), whole document.	1-12, 15-21
A	US 6,322,109 B1 (CAMPBELL et al) 27 November 2001 (27.11.2001), whole document.	1-12, 15-21
A	US 6,085,838 A (VERCAEMER et al) 11 July 2000 (11.07.2000), whole document.	1-12, 15-21

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\*

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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**INTERNATIONAL SEARCH REPORT**

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**Continuation of B. FIELDS SEARCHED Item 3:**  
Derwent, JPO, EPO

Terms: Thread, Stress concentrator, stress, expand/expanding, tubular, casing

CORRECTED VERSION

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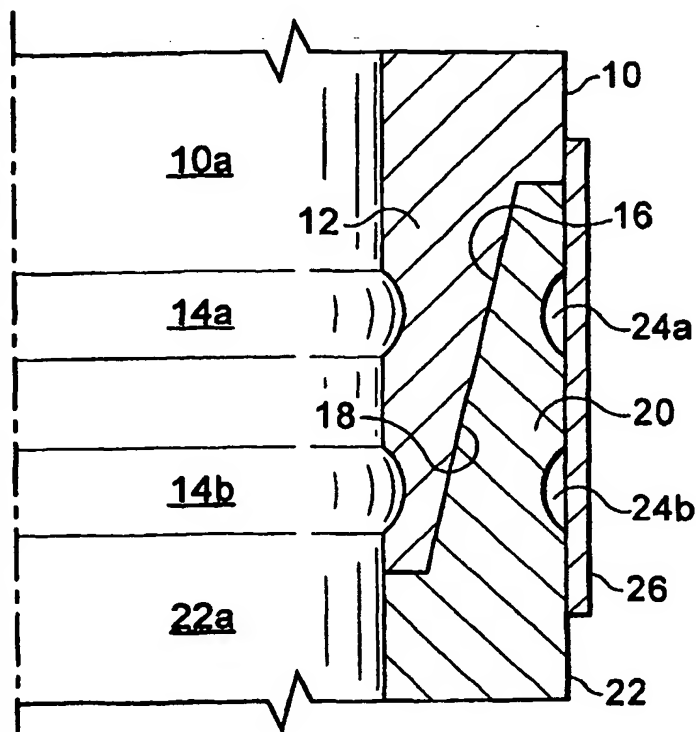
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